

ORDER NO. KM40109690C1

J01

Service Manual

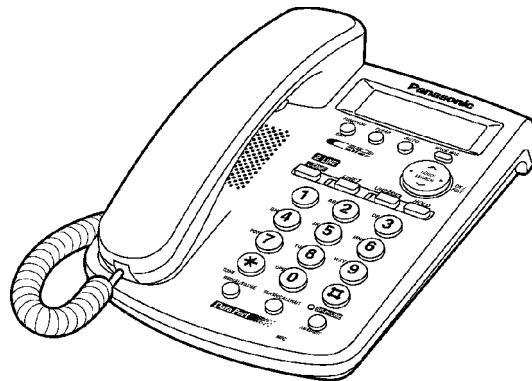
Telephone Equipment

Data Port 

Call Display Compatible

2-LINE

KX-TSC14CB
Black Version
(for Canada)



SPECIFICATIONS

■ SPECIFICATIONS

Power Source:	AC Adaptor KX-TCA1-G (AC 120 V, 60 Hz)
Memory Capacity:	Informations of 50 different Callers.
Dial Speed:	Tone (DTMF) /Pulse (10 pps)
Redial:	The unit redials the last 5 dialed number.
Speaker:	Unit; 5.7 cm (2.5") PM magnetic type receiver unit, 32 Ω Handset; 3 cm (1 ³ / ₁₆ ") PM magnetic type
Microphone:	Electret condenser microphone
Input Jacks:	DC IN, Telephone line 1/2, Telephone line 2
Dimensions:	5 ⁷ / ₈ " × 3 ³ / ₃₂ " × 8 ¹ / ₂ " [149 (w) × 79 (H) × 216 (D) mm]
Weight:	1.45 lbs. (655 g) with handset

Design and specifications are subject to change without notice.

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WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

When you mention the serial number, write down all 11 digits. The serial number may be found on the label affixed to the bottom of the unit.

FOR SERVICE TECHNICIANS

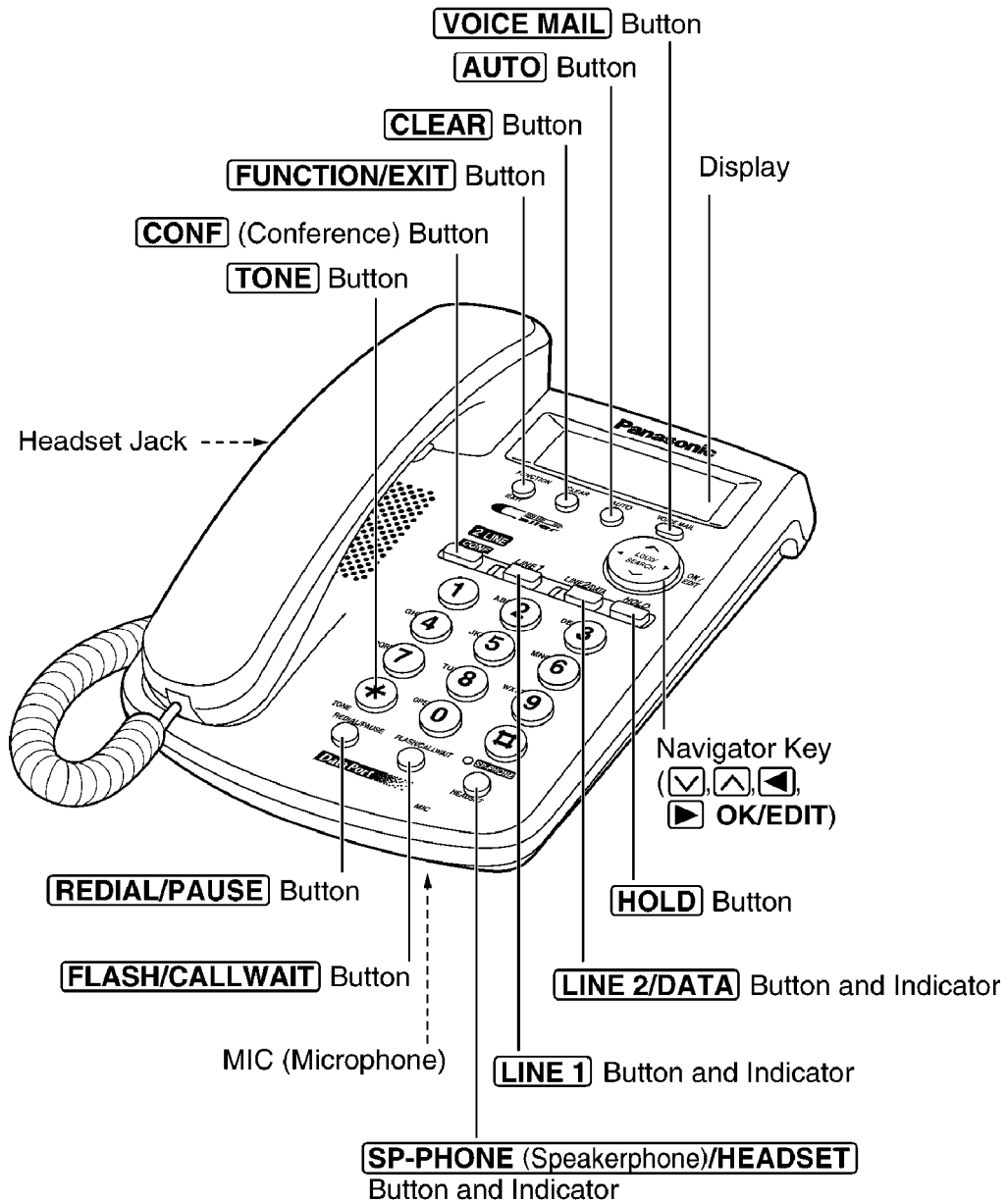
ICs and LSIs are vulnerable to static electricity.

When repairing, the following precautions will help prevent recurring malfunctions.

1. Cover plastic parts boxes with aluminum foil.
2. Ground the soldering irons.
3. Use a conductive mat on worktable.
4. Do not grasp IC or LSI pins with bare fingers.

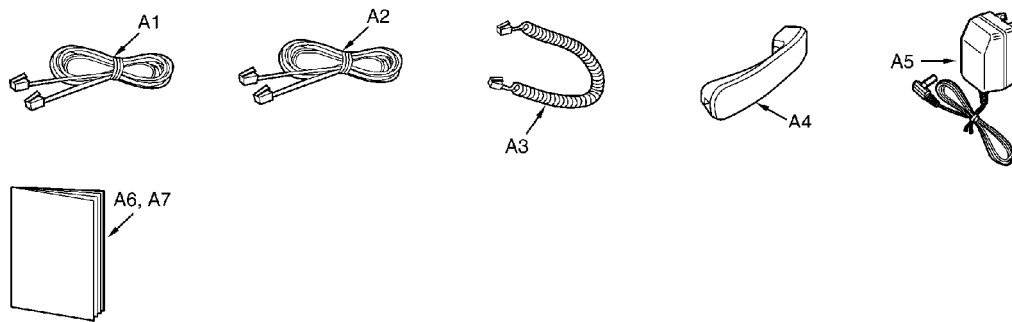
Panasonic

1. LOCATION OF CONTROLS



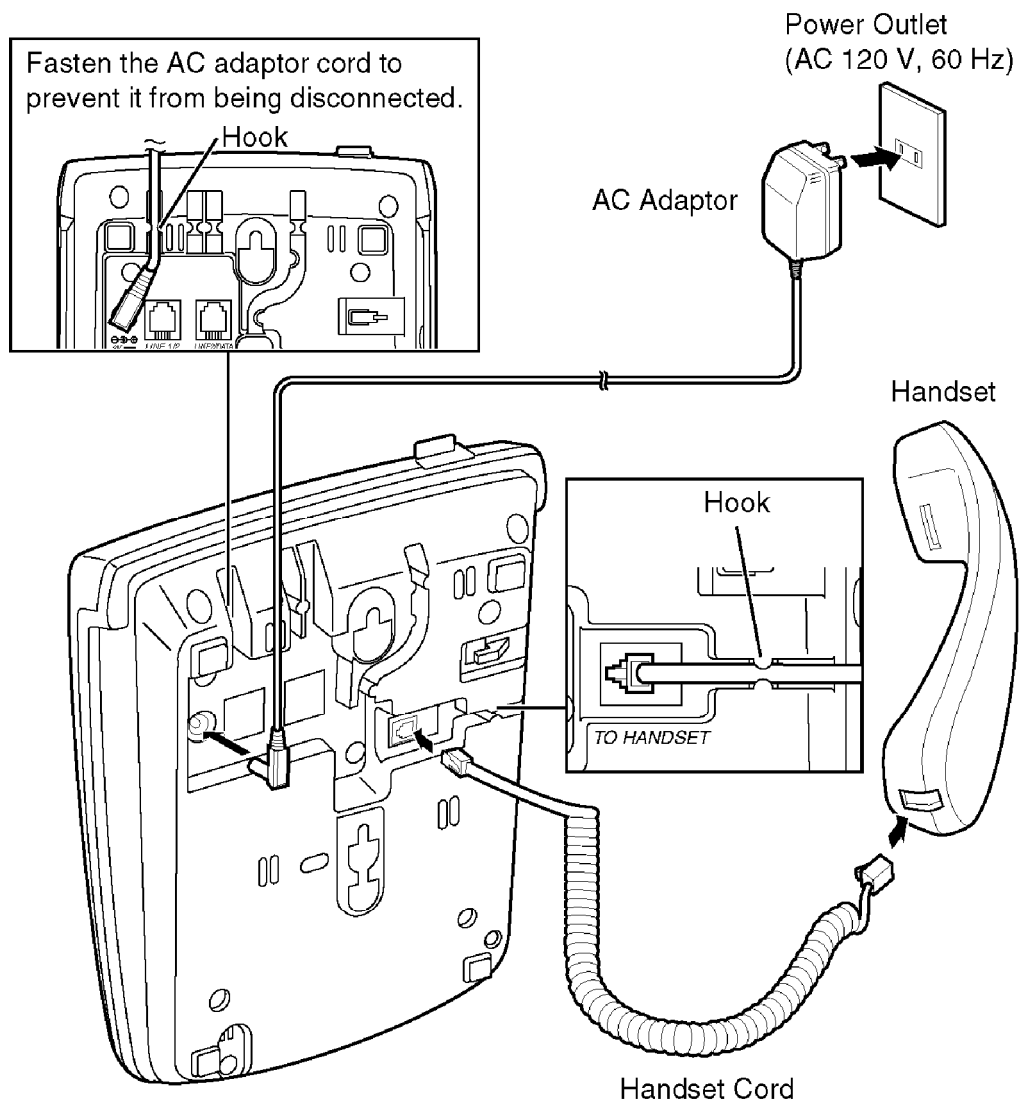
2. REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Rema
A1	PQJA10075Z	Telephone Line Cord (2 Wire)	1	
A2	PQJA10088Z	Telephone Line Cord (4 Wire)	1	
A3	PQJA10126X	Handset Cord	1	
A4	PQJXE0401Z	Handset	1	
A5	KX-TCA1-G	AC Adaptor	1	⚠
A6	PQQX13266Z	Instruction Book (English)	1	
A7	PQQX13267Z	Instruction Book (French)	1	



3. CONNECTION

3.1. Connecting the Handset/AC Adaptor



- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA1 (Order No. KX-TCA1-G).
- Use only a Panasonic Handset for the KX-TSC14CB.
- The AC adaptor must remain connected at all times. (It is normal for

the adaptor to feel warm during use.)

- During a power failure the unit will work as a standard telephone on the Line 1, but the following features will not work.

-Call Display services

-speakerphone

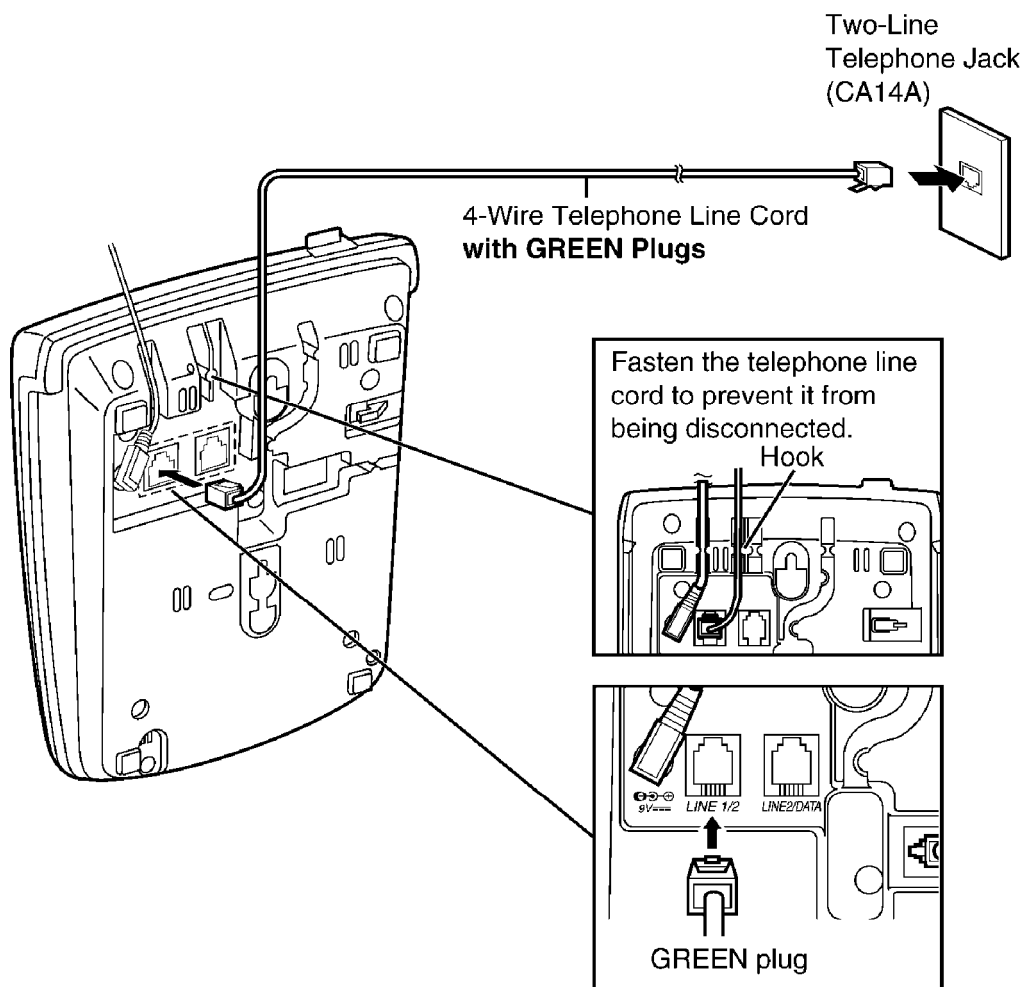
-line indicators

-LCD display

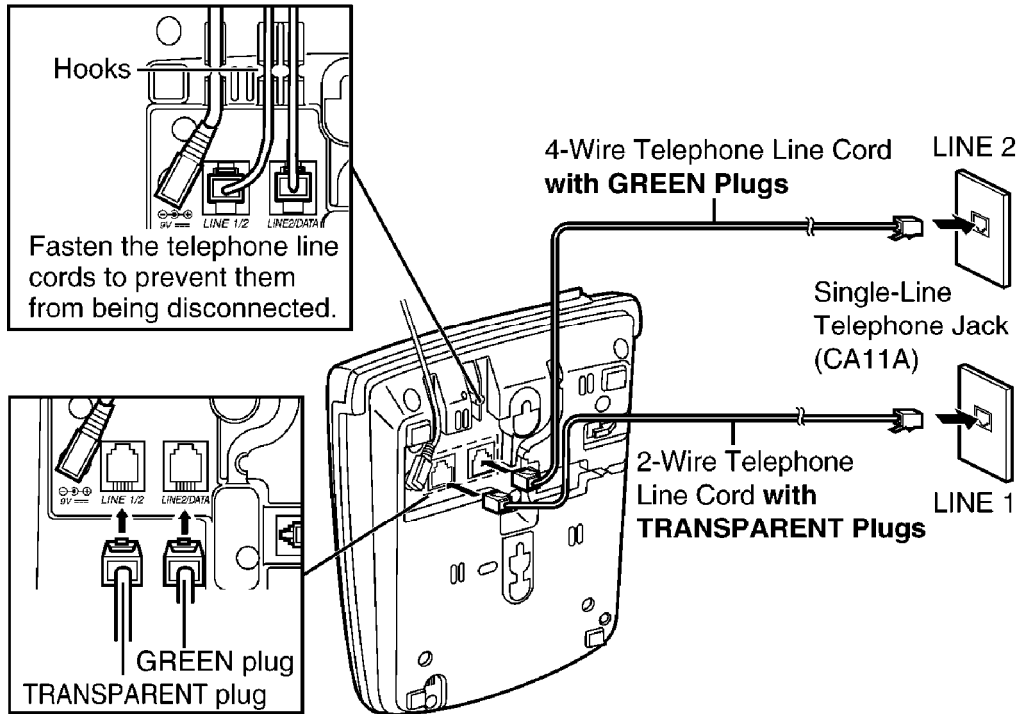
3.2. Connecting the Telephone Line Cord

Connect the telephone line cord(s) to the unit as follows.

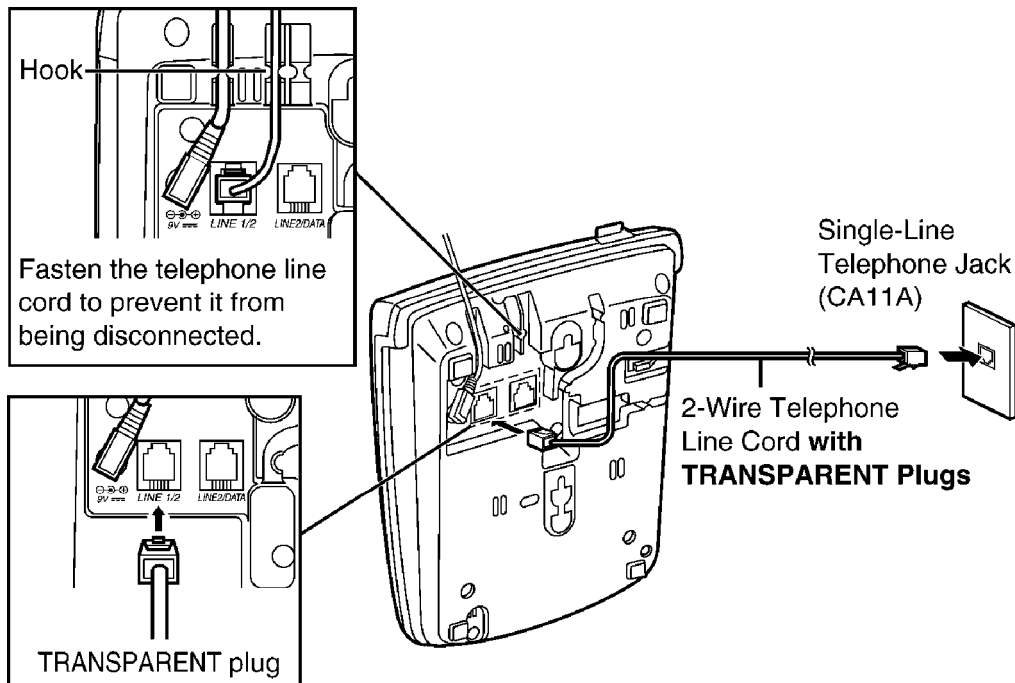
3.2.1. To connect a two-line telephone jack



3.2.2. To connect two single-line telephone jacks



3.2.3. If you use the unit only as a single-line telephone

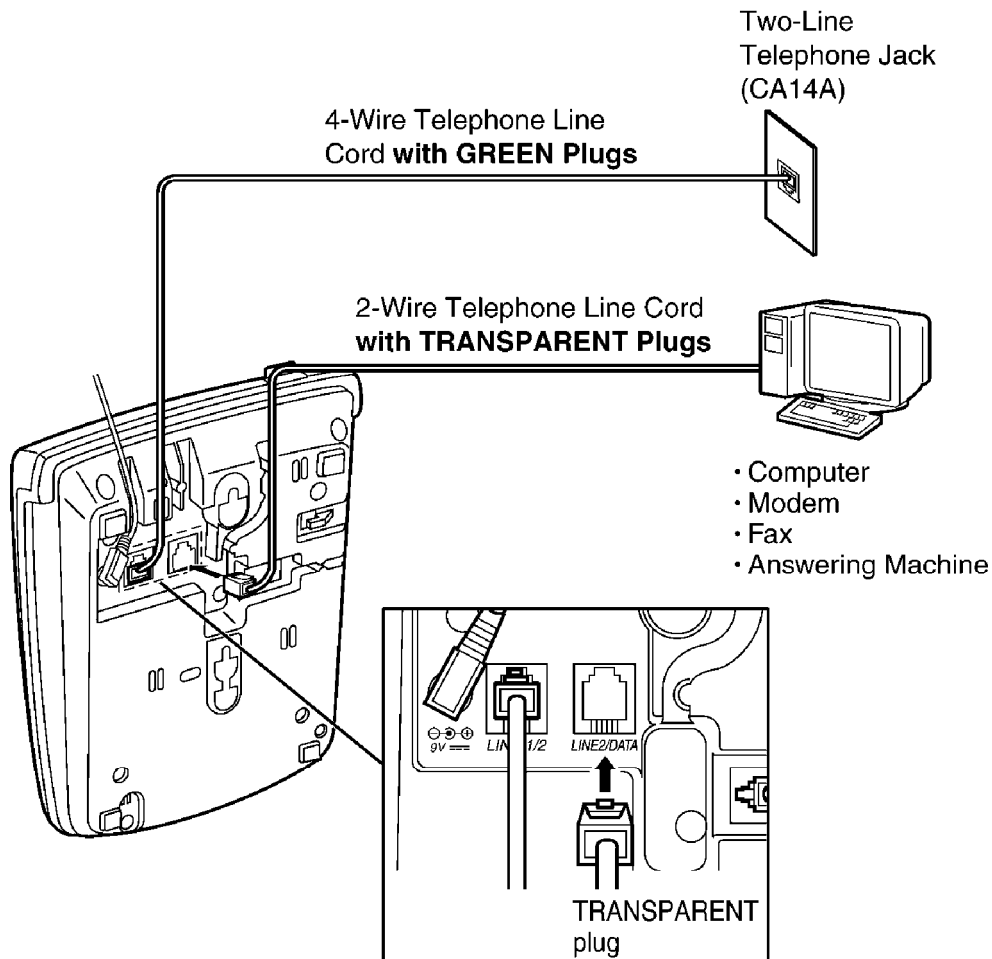


- For this connection, you can only use LINE 1.

3.3. Connecting a Communication Device

After connecting the telephone line cord to a two-line telephone jack, you can connect a

communication device (computer, modem, fax, answering machine, etc.) through this unit using the LINE 2/DATA jack (—Data Port).



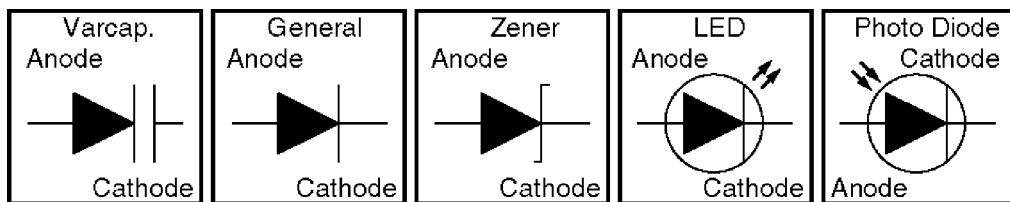
- If the LINE 2/DATA indicator lights, the communication device is in use. Use LINE 1 to make a call. Otherwise the communication device may not operate properly.

4. FOR SCHEMATIC DIAGRAM

1. SW 1: Hook switch.
2. SW 2: Ringer selector.
3. DC voltage measurements are taken with electronic voltmeter from negative voltage line.
4. (Add 40 mA to telephone line from the loop simulator.)
5. Off-hook condition
6. No Mack: Handset Mode
7. This schematic diagram may be modified at any time with the

development of new technology.

8. The shaded area on this schematic diagram incorporates special features important for protection from fire and electrical shock hazards.
9. When servicing, it is essential that only manufacture's specified parts be used for the critical components in the shaded areas of the schematic.

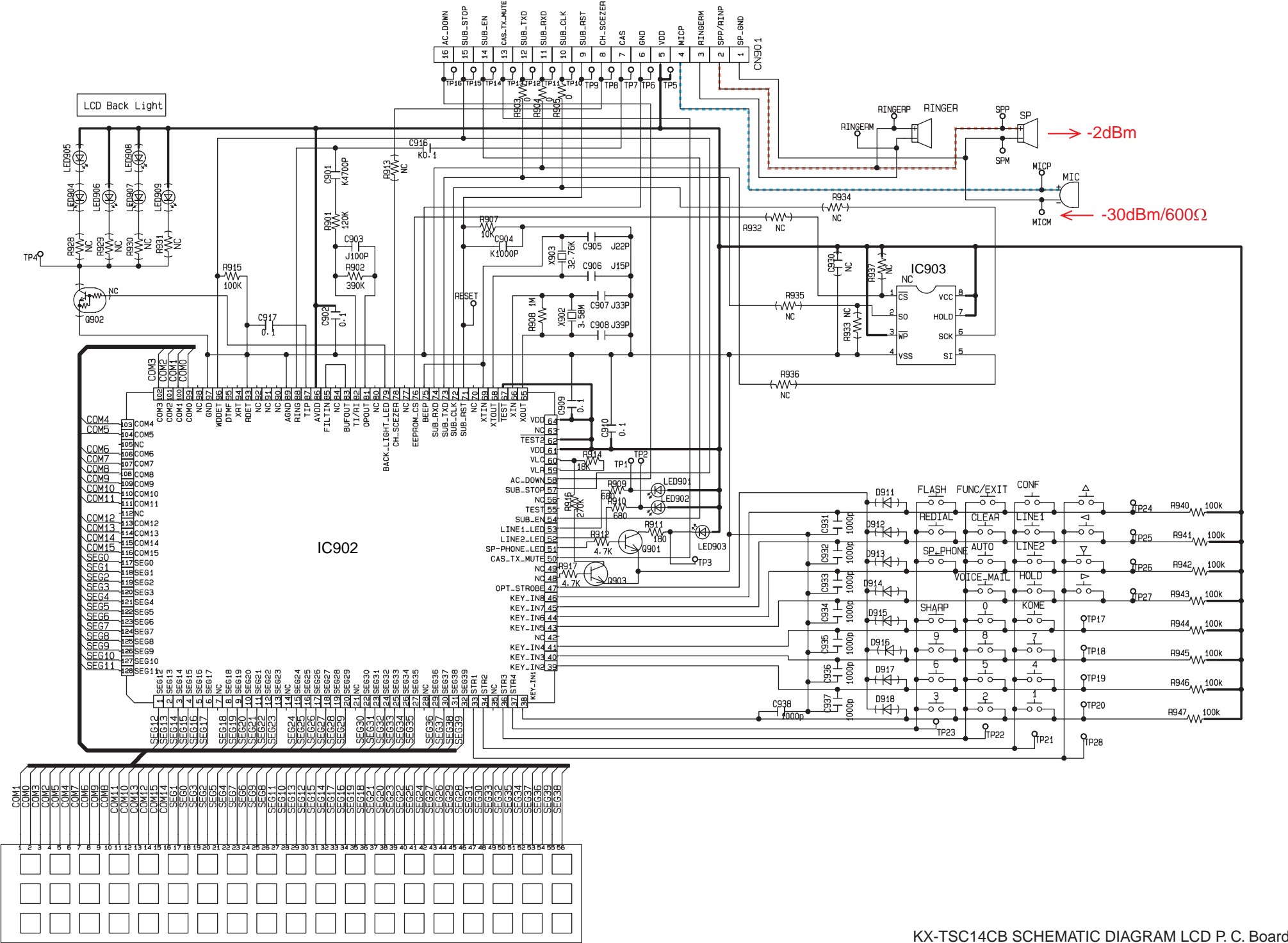


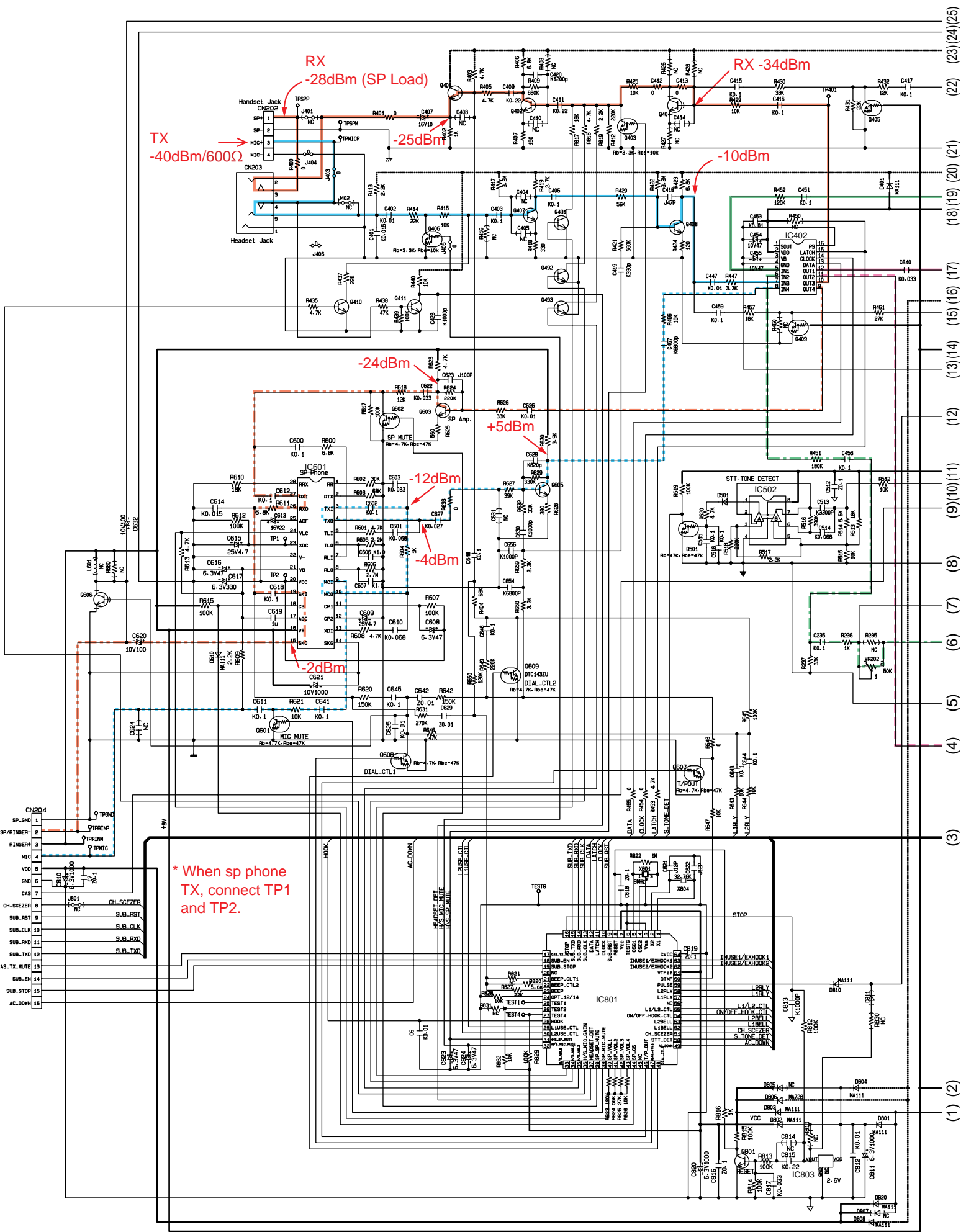
5. SCHEMATIC DIAGRAM

5.1. Main P.C. Board

5.2. LCD P. C. Board

H.M. / KXTSC14CB / Printed in Japan



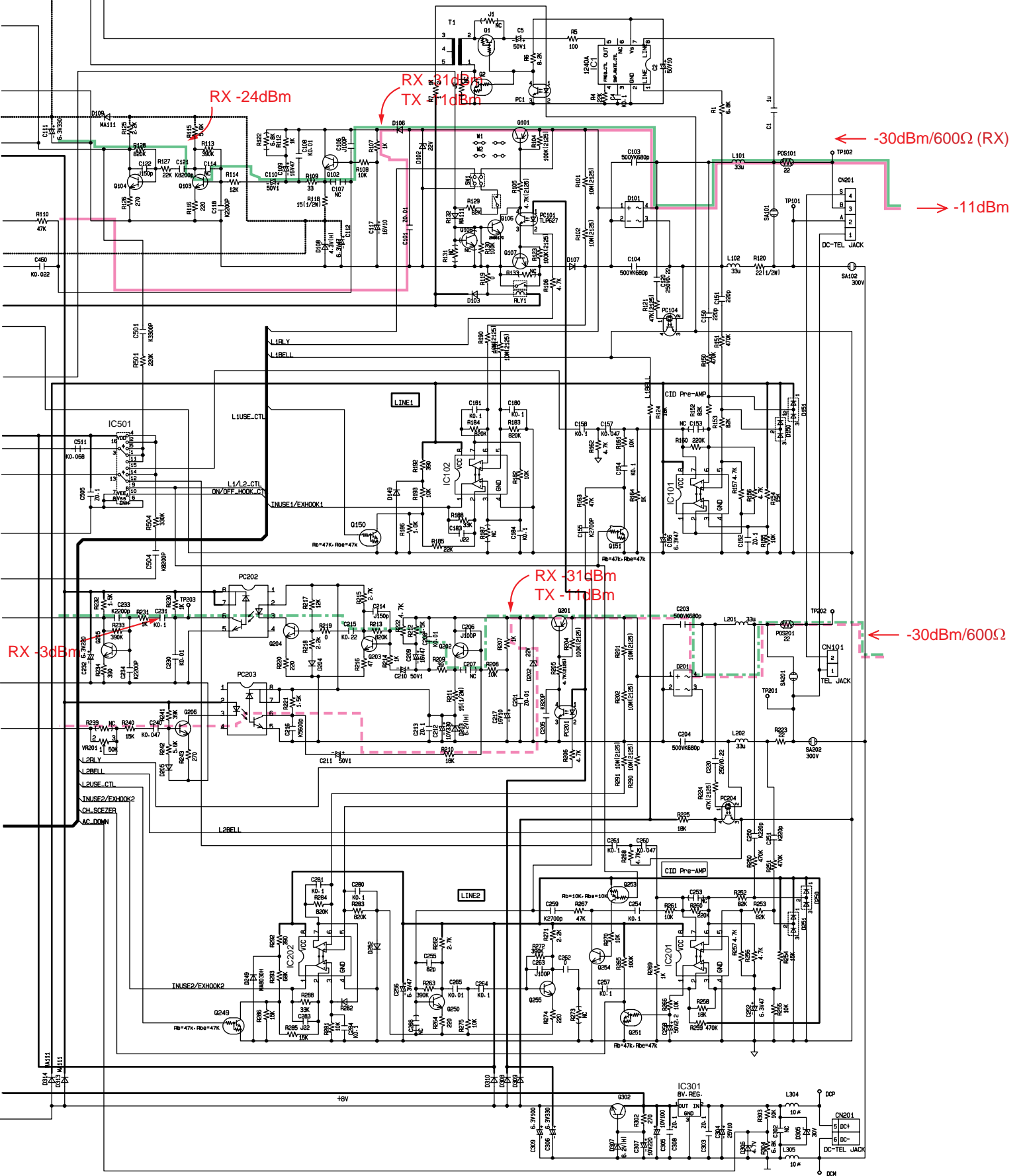


* When sp phone TX, connect TP1 and TP2.

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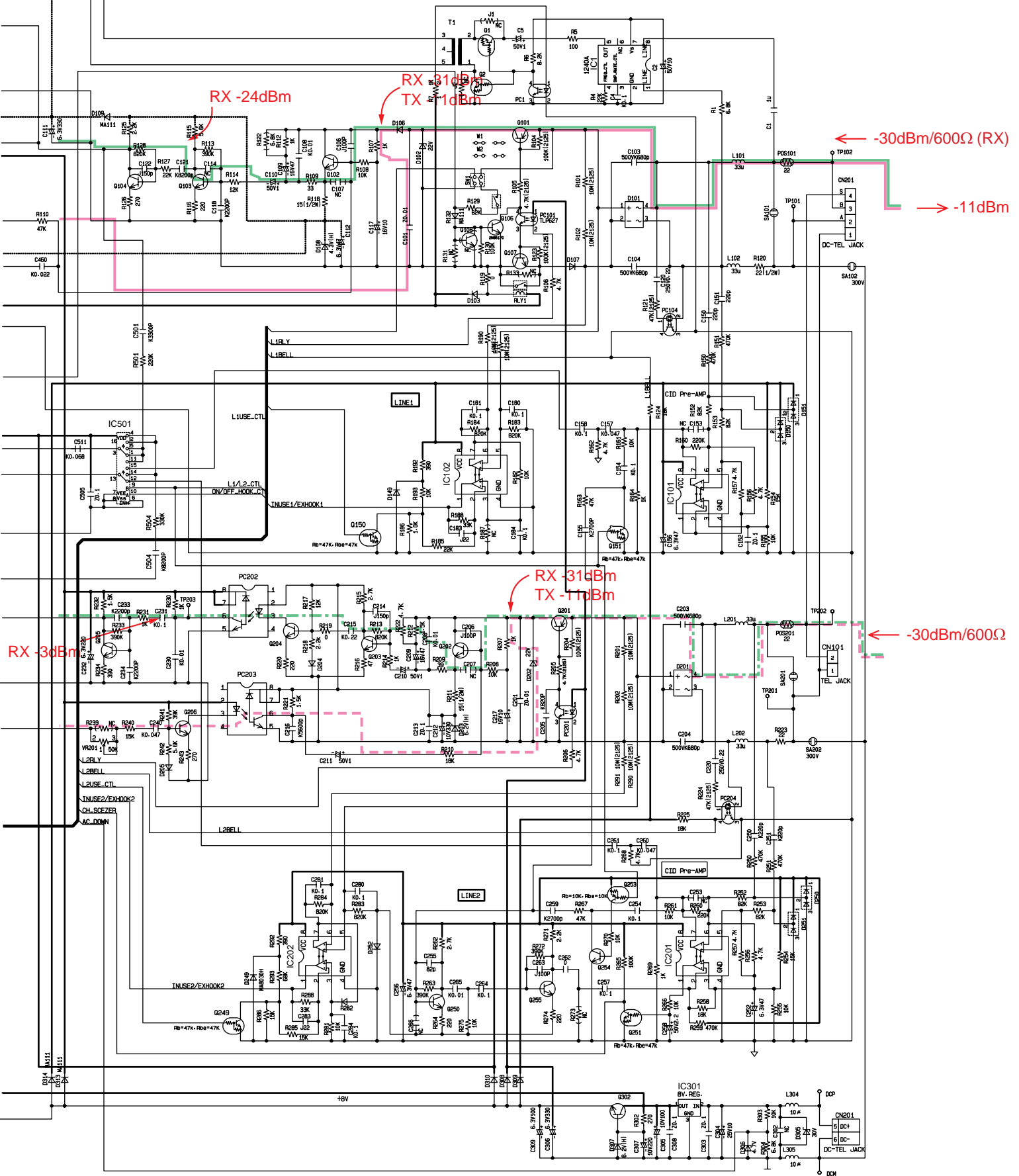
— L1 TX - - - L2 TX — H/S RX - - - SP phone RX
— L1 RX - - - L2 RX — H/S TX - - - SP phone TX



KX-TSC14CB SCHEMATIC DIAGRAM Main P.C. Board

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— L1 TX - - - L2 TX — H/S RX - - - SP phone RX
— L1 RX - - - L2 RX — H/S TX - - - SP phone TX



KX-TSC14CB SCHEMATIC DIAGRAM Main P.C. Board